

s 12

L3 5 L2

=> s 13 and holographic

6687 HOLOGRAPHIC

6 HOLOGRAPHICS

6691 HOLOGRAPHIC

(HOLOGRAPHIC OR HOLOGRAPHICS)

14164 HOLOG

13 HOLOGS

14165 HOLOG

(HOLOG OR HOLOGS)

14992 HOLOGRAPHIC

(HOLOGRAPHIC OR HOLOG)

L4 0 L3 AND HOLOGRAPHIC

=> d 13 1-5 abs ibib hitstr

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

AB The title compds. $[X1(R1)aSiO(3-a)/2]x[(R1)bSiO(4-b)/2]y$ [R1 = C1-10 alkyl, aryl; Xi = R2Si(OR3)bi(R1)ci(OSi(R1)2Xi+1)3-bi-ci; R2 = C2-10 alkylene; R3 = C1-10 alkyl; i = 1-10; bi, ci = 0-3; Xi+1 = R4SR5Y; R4, R5 = C1-20 hydrocarbylene; Y = sugar residue; a = 0-2; b = 0-3; x .gtoreq. 2; y .gtoreq. 0] having .gtoreq. 2 sugar residues/mol are prepd. E.g., Si[OSiMe2(CH2)3Si[OSiMe2(CH2)3Br]3]4 (81 mg) was treated with 474 mg 4-(acetylthio)butyl 2,3,4,6-tetra-O-acetyl-.beta.-D-glucopyranoside in DMF/MeOH at room temp. for 2 h and then treated with MeONa at 35.degree. for 24 h to give 95 mg Si[OSiMe2(CH2)3Si[OSiMe2(CH2)2S(CH2)4OG]3]4 (G = 2,3,4,6-tetra-O-acetyl-.beta.-D-glucopyranose residue).

ACCESSION NUMBER: 2003:389986 CAPLUS

DOCUMENT NUMBER: 138:402032

TITLE: Preparation of organopolycarbosiloxanes having sugar residues

INVENTOR(S): Yoshitake, Makoto; Terunuma, Hiroaki; Matsuoka, Hiroshi; Hatano, Takeshi

PATENT ASSIGNEE(S): Dow Corning Toray Silicone Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003146991	A2	20030521	JP 2001-348118	20011113
WO 2003042284	A1	20030522	WO 2002-JP11806	20021112
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: JP 2001-348118 A 20011113

IT 528610-24-4P

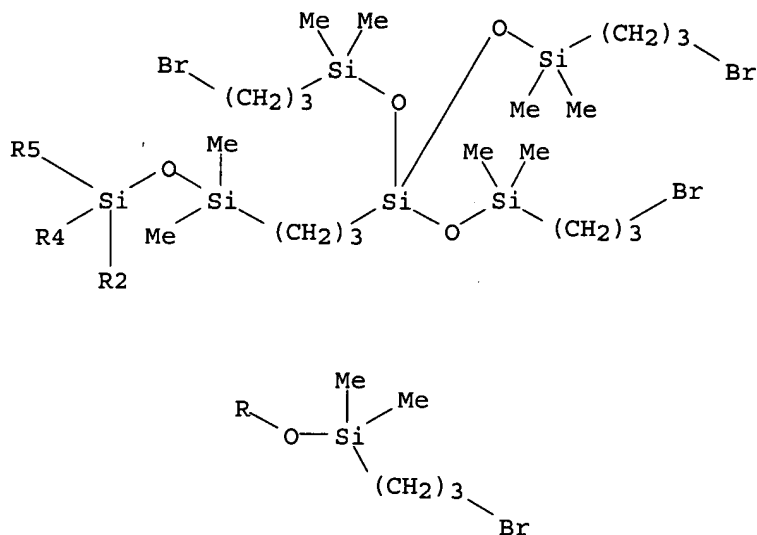
RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of organopolycarbosiloxanes having sugar residues)

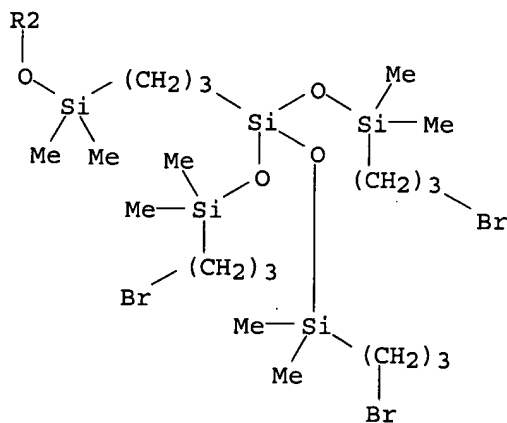
RN 528610-24-4 CAPLUS

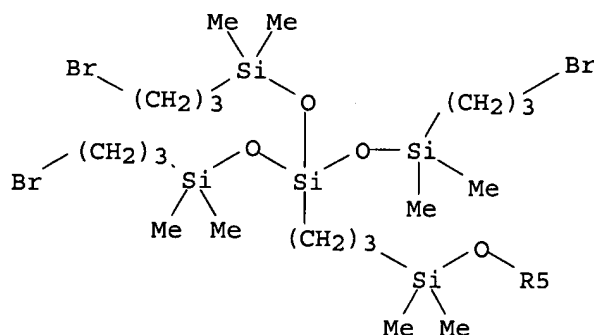
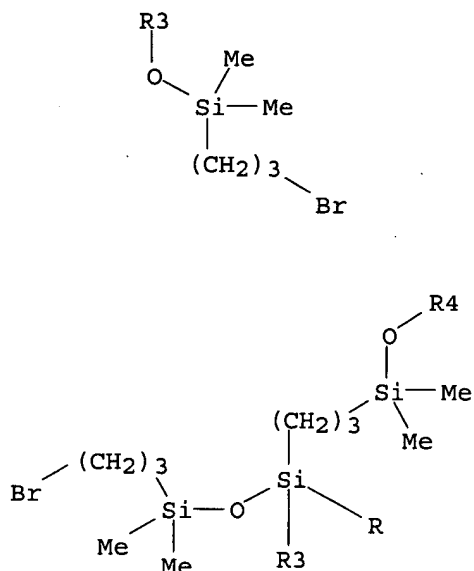
CN Trisiloxane, 1,5-bis[3-[3-(3-bromopropyl)-1,1-bis[[3-bromopropyl)dimethylsilyl]oxy]-3,3-dimethyldisiloxanyl]propyl]-3,3-bis[[[3-[3-(3-bromopropyl)-1,1-bis[[3-(3-bromopropyl)dimethylsilyl]oxy]-3,3-dimethyldisiloxanyl]propyl]dimethylsilyl]oxy]-1,1,5,5-tetramethyl- (9CI)
(CA INDEX NAME)

PAGE 1-A



PAGE 2-A





L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
 AB The dendrimers (Mn .ltoreq.1,000,000) contg. .gtoreq.1 R4SiR5(3-c)Yc (R4 = C2-10-alkylene; R5 = C1-10-alkyl, aryl; Y = C1-10-acyloxy, halo, OH; c = 1-3) in a mol. comprise 1-100 mol% X1R1aSiO(3-a)/2 [R1 = C1-10-alkyl, aryl; a = 0-2; X1 = Xi when i = 1; Xi = R2Si(OR3)bi(OSiR12Xi+1)3-bi; R2 = C2-10-alkylene; R3 = C1-10-alkyl; Xi+1 = Xi, R4SiR5(3-c)Yc; R4, R5, Y, c = same as above; i = 1-10; bi = 0-3] and 0-99 mol% R1gSiO(4-g)/2 (R1 = same as above; g = 0-3). Thus, vinyltrimethoxysilane, tetrakis(dimethylsiloxy)silane, 1,1,3,3-tetramethyldisiloxane, and dimethylvinylchlorosilane were reacted in this order to give a dendrimer Si[OSiMe2C2H4Si(OSiMe2C2H4SiMe2Cl)3]4 with Mn 2757 and dispersibility index 1.07.

ACCESSION NUMBER: 2001:568376 CAPLUS
 DOCUMENT NUMBER: 135:153252
 TITLE: Carbosiloxane dendrimers with good reactivity
 INVENTOR(S): Watanabe, Toshinori; Onodera, Tetsu; Yoshitake, Makoto
 PATENT ASSIGNEE(S): Dow Corning Toray Silicone Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

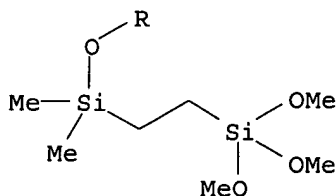
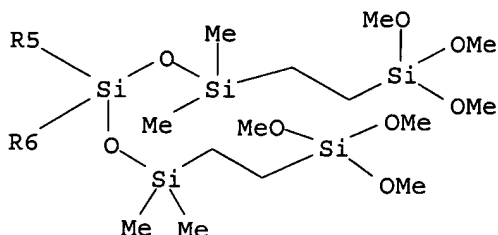
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001213885	A2	20010807	JP 2000-23053	20000131
PRIORITY APPLN. INFO.:			JP 2000-23053	20000131

IT 352673-70-2P
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (carbosiloxane dendrimers with good reactivity)

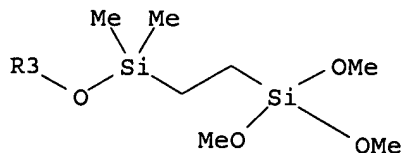
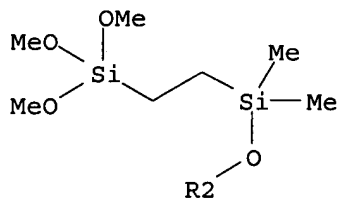
RN 352673-70-2 CAPLUS

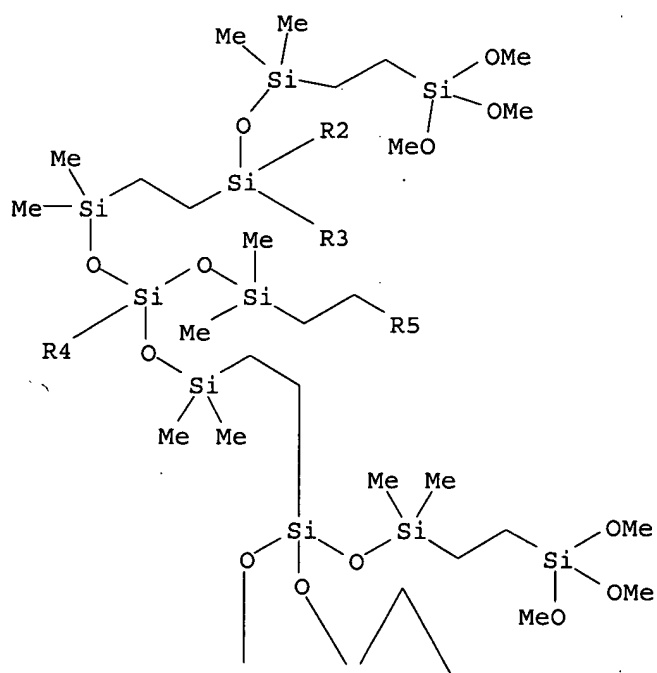
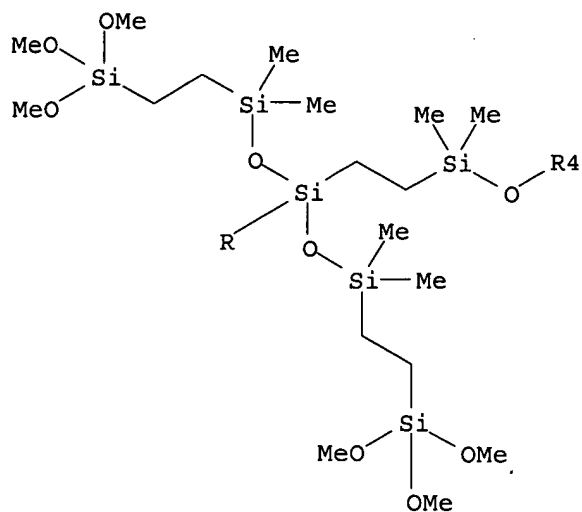
CN 2,7,12,14,19,24-Hexaoxa-3,6,8,11,13,15,18,20,23-nonasilapentacosane,
 13,13-bis[[4,4-bis[[dimethyl[2-(trimethoxysilyl)ethyl]silyl]oxy]-9,9-dimethoxy-1,1,6,6-tetramethyl-5,10-dioxa-1,4,6,9-tetrasilaundec-1-yl]oxy]-8,8,18,18-tetrakis[[dimethyl[2-(trimethoxysilyl)ethyl]silyl]oxy]-3,3,23,23-tetramethoxy-6,6,11,11,15,15,20,20-octamethyl- (9CI) (CA INDEX NAME)

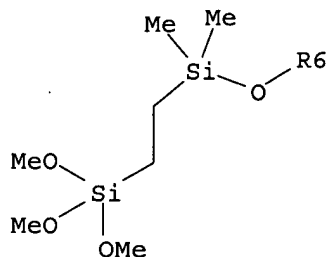
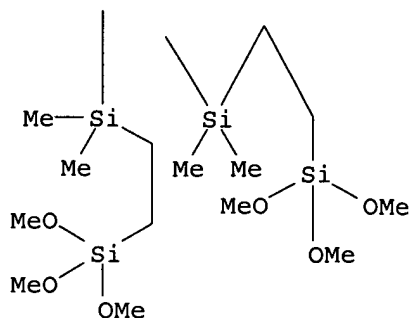
PAGE 1-A



PAGE 2-A







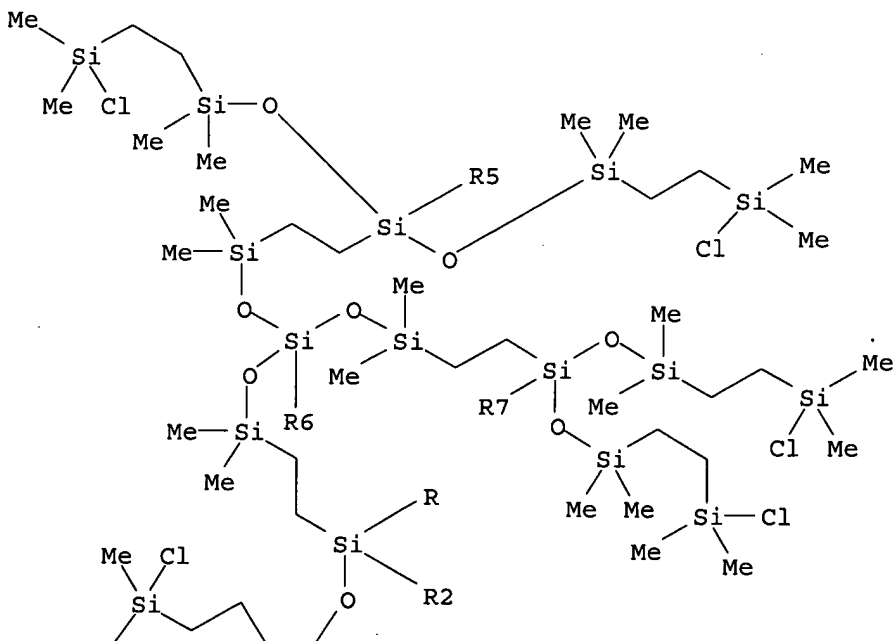
IT 352673-68-8P

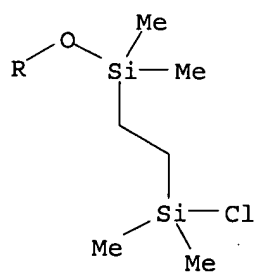
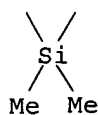
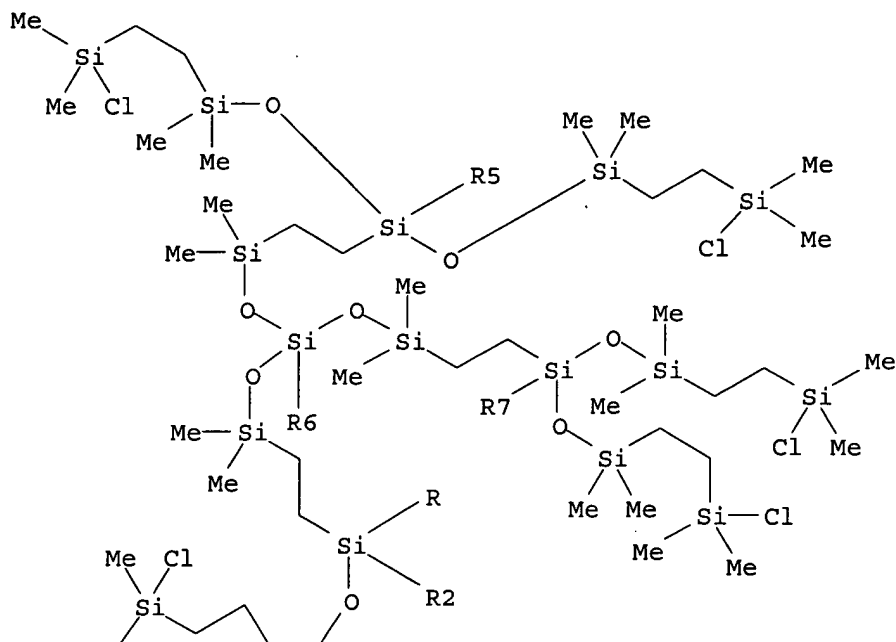
RL: IMF (Industrial manufacture); PRP (Properties); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

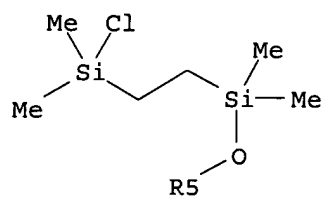
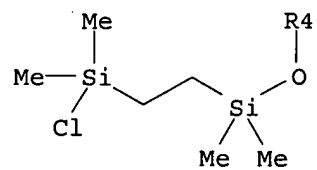
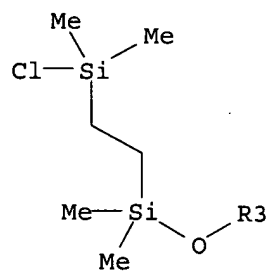
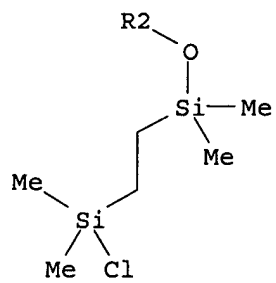
(dendrimer; carbosiloxane dendrimers with good reactivity)

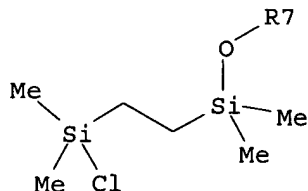
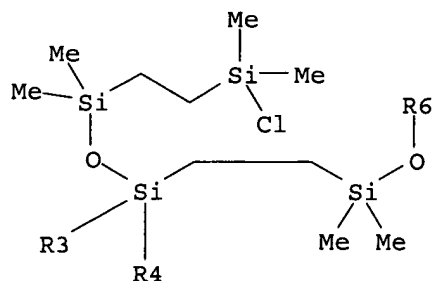
RN 352673-68-8 CAPLUS

CN 6,11,13,18-Tetraoxa-2,5,7,10,12,14,17,19,22-nonasilatricosane, 2,22-dichloro-12,12-bis[[[2-[3-[2-(chlorodimethylsilyl)ethyl]-1,1-bis[[[2-(chlorodimethylsilyl)ethyl]dimethylsilyl]oxy]-3,3-dimethyldisiloxanyl]ethyl]dimethylsilyl]oxy]-7,7,17,17-tetrakis[[[2-(chlorodimethylsilyl)ethyl]dimethylsilyl]oxy]-2,5,5,10,10,14,14,19,19,22-decamethyl- (9CI) (CA INDEX NAME)









IT 352673-69-9P

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(dendrimer; carbosiloxane dendrimers with good reactivity)

RN 352673-69-9 CAPLUS

CN 6,11,13,18-Tetraoxa-2,5,7,10,12,14,17,19,22-nonasilatricosane-2,22-diol, 12,12-[[[2-[3-[2-(hydroxydimethylsilyl)ethyl]-1,1-bis[[[2-(hydroxydimethylsilyl)ethyl]dimethylsilyl]oxy]-3,3-dimethyldisiloxanyl]ethyl]dimethylsilyl]oxy]-7,7,17,17-tetrakis[[[2-(hydroxydimethylsilyl)ethyl]dimethylsilyl]oxy]-2,5,5,10,10,14,14,19,19,22-decamethyl- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

AB A carbosiloxane dendrimer is disclosed contg. a radically polymerizable group in the mol. and which possesses excellent polymn. reactivity. The carbosiloxane dendrimer can be used to provide org. polymers as afforded by the polymn. of the carbosiloxane dendrimer either alone or with other org. monomers. The radically polymerizable group-functional carbosiloxane dendrimer is represented by YR₂Si(R₁₃-b)(OSiR₁₂X₁)_b (R₁ is C₁ to C₁₀ alkyl or aryl, R₂ is a divalent org. group excluding C₁ to C₁₀ alkylene, b is 1 to 3, X₁ is a silylalkyl group, and Y is a radically polymerizable group). Also, dendrimer-contg. org. polymer as afforded by the polymn. of (A) the aforesaid carbosiloxane dendrimer and (B) radically polymerizable org. monomer.

ACCESSION NUMBER: 2001:78012 CAPLUS

DOCUMENT NUMBER: 134:131970

TITLE:

INVENTOR(S): Yoshitake, Makoto; Okawa, Tadashi; Morita, Yoshitsugu; Furukawa, Haruhiko

PATENT ASSIGNEE(S): Dow Corning Toray Silicone Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 20 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 1072602 A1 20010131 EP 2000-306394 20000727
 EP 1072602 B1 20030423
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 JP 2001040093 A2 20010213 JP 1999-216468 19990730
 US 6306992 B1 20011023 US 2000-625011 20000725
 PRIORITY APPLN. INFO.: JP 1999-216468 A 19990730

IT 322476-77-7P 322476-78-8P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (carbosiloxane dendrimer and copolymers made therewith)

RN 322476-77-7 CAPLUS

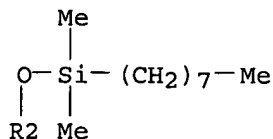
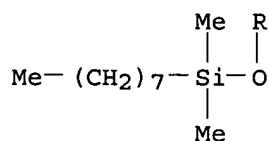
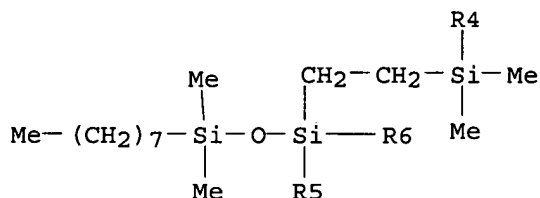
CN 2-Propenamide, N-[3-[5-[2-[1,1-bis[[dimethyl[2-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]ethyl]silyl]oxy]-3,3-dimethyl-3-[2-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]ethyl]disiloxanyl]ethyl]-3,3-bis[[2-[1,1-bis[[dimethyl[2-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]ethyl]silyl]oxy]-3,3-dimethyl-3-[2-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]ethyl]disiloxanyl]ethyl]dimethylsilyl]oxy]-1,1,5,5-tetramethyltrisiloxanyl]propyl]-2-methyl-(9CI) (CA INDEX NAME)

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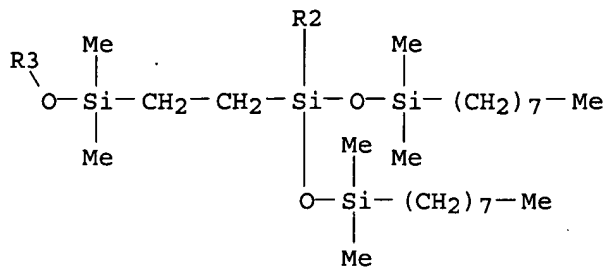
RN 322476-78-8 CAPLUS

CN 2-Propenoic acid, 3-[3-[5-[2-[1,1-bis[(dimethyloctylsilyl)oxy]-3,3-dimethyl-3-octyldisiloxanyl]ethyl]-3,3-bis[[2-[1,1-bis[(dimethyloctylsilyl)oxy]-3,3-dimethyl-3-octyldisiloxanyl]ethyl]dimethylsilyl]oxy]-1,1,5,5-tetramethyltrisiloxanyl]propoxy]-2-hydroxypropyl ester (9CI) (CA INDEX NAME)

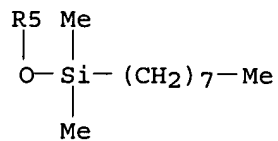
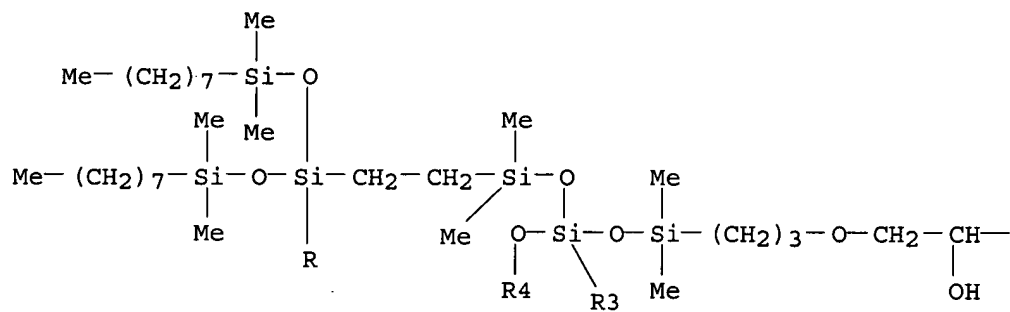
PAGE 1-A



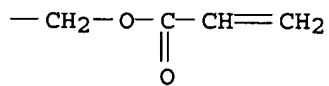
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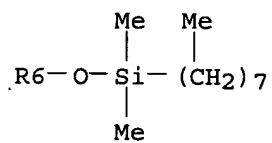
PAGE 3-A



PAGE 3-B



PAGE 4-A



RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(carbosiloxane dendrimer and copolymers made therewith)

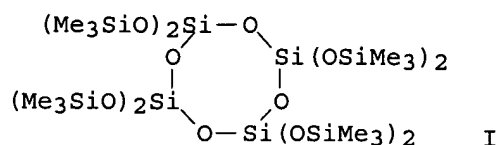
RN 322476-81-3 CAPLUS

CN 1-Propanamine, 3-[5-[2-[1,1-bis[[dimethyl[2-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]ethyl]silyl]oxy]-3,3-dimethyl-3-[2-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]ethyl]disiloxanyl]ethyl]-3,3-bis[[2-[1,1-bis[[dimethyl[2-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]ethyl]silyl]oxy]-3,3-dimethyl-3-[2-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]ethyl]disiloxanyl]ethyl]dimethylsilyl]oxy]-1,1,5,5-tetramethyltrisiloxanyl]- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
GI



AB The oligosiloxanes I and (Me₃SiO)₃SiO[Si(OSiMe₃)₂O]_nSi(OSiMe₃)₃ (n = 2-8) were prepd. by treatment of peralkoxyoligosiloxanes with Me₃SiI at 20-60.degree..

ACCESSION NUMBER: 1978:51013 CAPLUS

DOCUMENT NUMBER: 88:51013

TITLE: Linear or cyclic oligosiloxanes

INVENTOR(S): Voronkov, M. G.; Pavlov, S. F.; Dubinskaya, E. I.

PATENT ASSIGNEE(S): Irkutsk Institute of Organic Chemistry, USSR

SOURCE: U.S.S.R. From: Otkrytiya, Izobret., Prom. Obratzsy, Tovarnye Znaki 1977, 54(37), 76.

CODEN: URXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Russian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 575350	T	19771005	SU 1976-2307301	19760104
PRIORITY APPLN. INFO.:			SU 1976-2307301	19760104

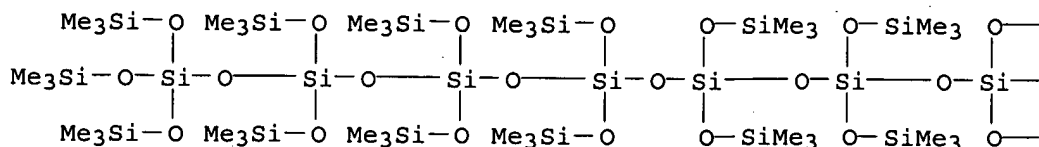
IT 62635-16-9P 65274-92-2P 65353-15-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

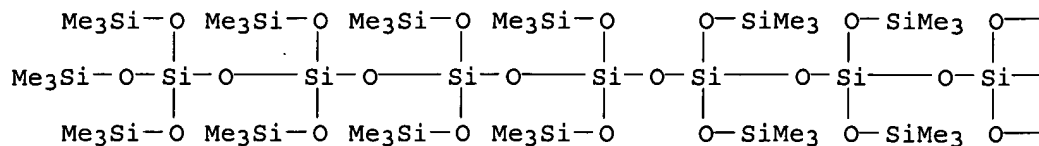
RN 62635-16-9 CAPLUS

CN Dodecasiloxane, 1,1,1,23,23,23-hexamethyl-3,3,5,5,7,7,9,9,11,11,13,13,15,15,17,17,19,19,21,21-eicosakis[(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)

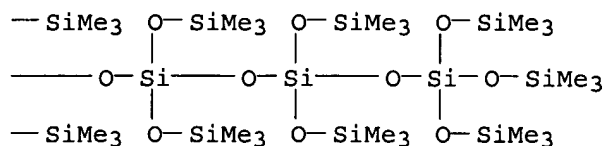
PAGE 1-A



PAGE 1-A



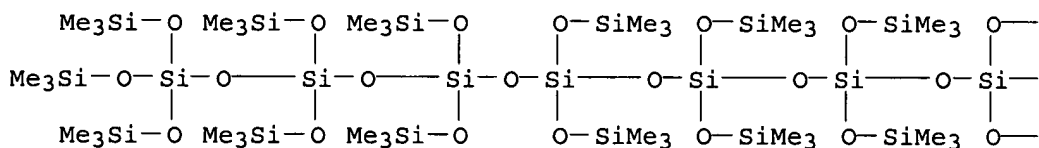
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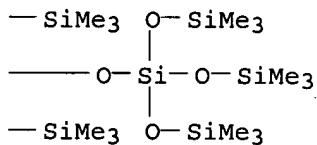
RN 65274-92-2 CAPLUS

CN Decasiloxane, 1,1,1,19,19,19-hexamethyl-3,3,5,5,7,7,9,9,11,11,13,13,15,15,17,17-hexadecakis[(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)

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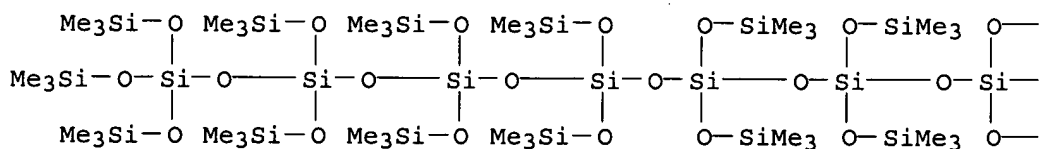
PAGE 1-B



RN 65353-15-3 CAPLUS

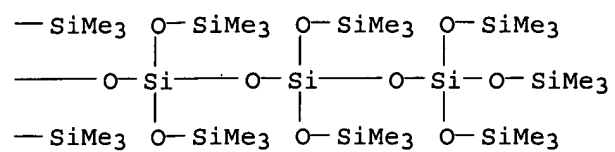
CN Decasiloxane, 1,1,1,21,21,21-hexamethyl-3,3,5,5,7,7,9,9,11,11,13,13,15,15,17,17,19,19-octadecakis[(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)

PAGE 1-A



AB The integral intensities (A) of IR absorption bands of the .nu.as Si-O-Si and .delta. (Me)Si vibrations were measured and the dipole moments (.mu.) were detd. for branched permethylsiloxanes and their derivs. XSi(OA)3 (X = Et, Me(CH2)3, Cl(CH2)3, ClCH2, Cl2CH, Cl3C, CH2:CH, Ph; A = Me3Si), (Me3)nSi(OA)4-n (n = 0-3), A[OSi(OA)2]mOA (m = 2, 3, 4, 5, 10), and [O = Si(OA)2]4. The exptl. .mu. values were compared with the calcd. ones according to a vector additive scheme. In the calcns., all stable configurations with a tapered distribution of substituents at the Si-O fragment were considered. The calcd. .mu. values agreed with the exptl. ones with an error near the measurement error. The conformers are energy-equiv. and the population of the corresponding states is proportional to the degree of their degeneration. The changes in frequency and intensity of the .nu.as. Si-O-Si band, in dependence on the no. of Si-O(Si) groups, are discussed. The presence of 2 lines in the dependence $A_{1/2}(\text{SiOSi}) = f(\sigma^*)$ ($\sigma^* = \text{Taft const.}$) revealed that the character of the interaction of Si(OA)3 group with X was different; the X substituents (alkyl groups), the interaction of which with Si atom was of a purely induction character or was conditioned both by the induction and conjugation effects corresponded to 1 and the other lines, resp.

ACCESSION NUMBER: 1977:163033 CAPLUS
DOCUMENT NUMBER: 86:163033
TITLE: Intensities of infrared absorption bands and dipole moments of branched permethylsiloxanes and their derivatives
AUTHOR(S): Voronkov, M. G.; Brodskaya, E. I.; Keiko, V. V.; Shevchenko, S. G.; Bazhenova, T. N.; Pavlov, S. F.; Modonov, V. B.; Dubinskaya, E. I.; Frolov, Yu. L.
CORPORATE SOURCE: Irkutsk. Inst. Org. Khim., Irkutsk, USSR
SOURCE: Doklady Akademii Nauk SSSR (1977), 232(5), 1100-3 [Phys. Chem.]
CODEN: DANKAS; ISSN: 0002-3264
DOCUMENT TYPE: Journal
LANGUAGE: Russian
IT 62635-16-9
RL: PRP (Properties)
(IR spectrum of)
RN 62635-16-9 CAPLUS
CN Dodecasiloxane, 1,1,1,23,23,23-hexamethyl-3,3,5,5,7,7,9,9,11,11,13,13,15,15,17,17,19,19,21,21-eicosakis[(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)



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